

ASSIGNMENT ON CONDITIONAL LOOPING

By
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PC PEpytho... Versi... ConditionalLoopingAssignment_2

Operators.py ConditionalLoopingAssignment_2.py

python

MonthNames.py

```
7
8 #MonthNames.py
9 month={1:"January",2:"February",3:"March",4:"April",5:"May",6:"June",
10        7:"July",8:"August",9:"September",10:"October",11:"November",
11        12:"December"}
12 month_number=int(input("Enter the month(1-12):"))
13 i=month_number
14 if i <= month_number <=12:
15     print(f"month{month_number}is {month[month_number]}")
16 else:
17     print("Please enter a number between 1 and 12")
18
```

Run ConditionalLoopingAssignment_2



PEpytho... ▾

Versi... ▾



ConditionalLoopingAssignment_2 ▾



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Operators.py



ConditionalLoopingAssignment_2.py ×



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#MonthNames.py

```
month={1:"January",2:"February",3:"March",4:"April",5:"May",6:"June",  
7:"July",8:"August",9:"September",10:"October",11:"November",
```

Run



ConditionalLoopingAssignment_2 ×

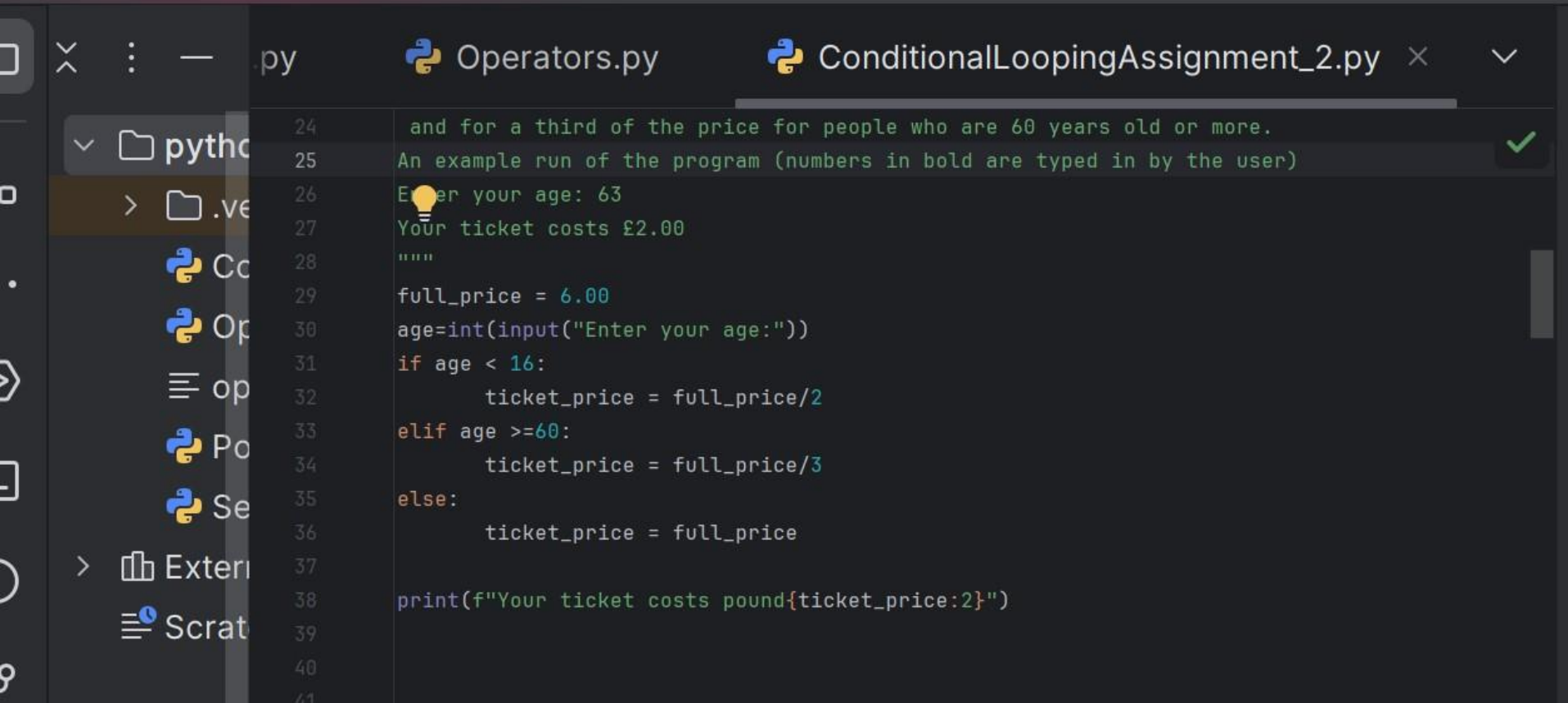


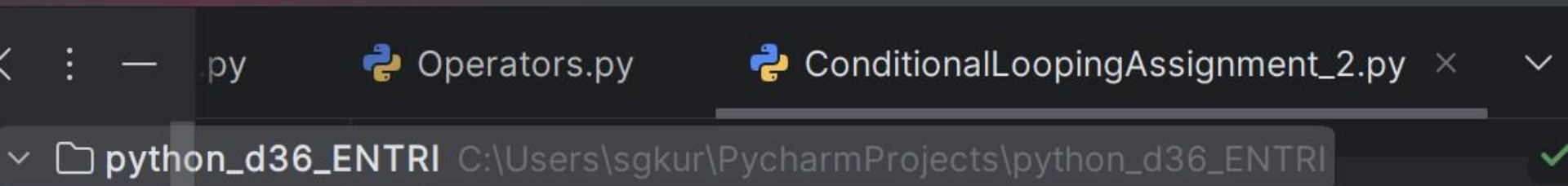
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\p

Enter the month(1-12):3

month3is March

Process finished with exit code 0





```
Run ConditionalLoopingAssignment_2 x
```

```
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\pyth
Enter your age:63
Your ticket costs pound2.0

Process finished with exit code 0
```

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return "Normal"

elif 25 <= bmi <29.9:

return "Overweight"

else:

return "Obese"

weight = float(input("Enter your wight in (kg):"))

height = float(input("Enter your height in(m):"))

bmi =calculate_bmi(weight,height)

status =weight_status(bmi)

💡

print(f"Your BMI is:{bmi}")

print(f"You are in the'{status}' range.")

The image shows a PyCharm IDE window with two tabs: `Operators.py` and `ConditionalLoopingAssignment_2.py`. The `ConditionalLoopingAssignment_2.py` tab is active, displaying the following code:

```
weight = float(input("Enter your weight in (kg): "))
height = float(input("Enter your height in(m):"))
bmi = calculate_bmi(weight, height)
```

Below the code editor is the `Run` console for `ConditionalLoopingAssignment_2`. It shows the execution of the script with the following output:

```
C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\python
Enter your wight in (kg):75
Enter your height in(m):1.70
Your BMI is:25.95155709342561
You are in the'Overweight' range.


Process finished with exit code 0
```

py Operators.py ConditionalLoopingAssignment_2.py ×

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84 Write a Python program to receive 3 numbers from the user and print

85 the greatest among them

86 

87 num1=int(input("Enter the first number:"))

88 num2=int(input("Enter the second number:"))

89 num3=int(input("Enter the third number:"))


90

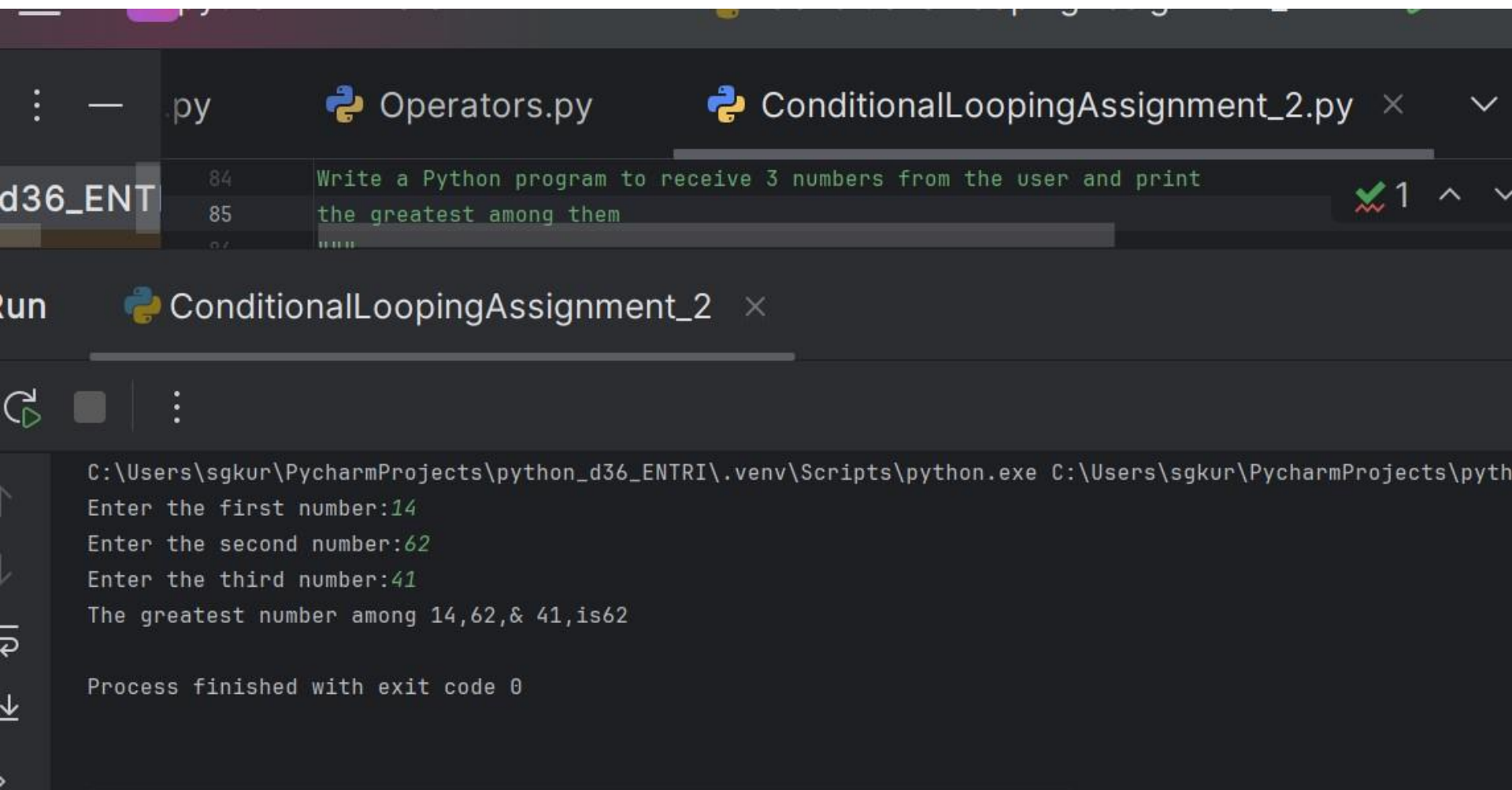
91 greatest= max(num1,num2,num3)

92 print(f"The greatest number among {num1},{num2},& {num3},is{greatest}")

93

94

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py Operators.py ConditionalLoopingAssignment_2.py

96

Exercise 5

97

Find the factorial of a given number using loops(note the number is received

98

"""

99

def factorial(n): 1 usage

100

result = 1

101

for i in range(1,n+1):

102

result *= i

103

return result

104

105

number = int(input("Enter a number to calculate its factorial:"))

106

107

if number < 0:

108

print("Factorial is not defined for negative numbers.")

109

else:

110

fact = factorial(number)

111

print(f"The factorial of {number} is {fact}.")

112

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```
106
107 if number < 0:
108     print("Factorial is not defined for negative numbers.")
109 else:
110     fact = factorial(number)
111     print(f"The factorial of {number} is {fact}.")
```

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ConditionalLoopingAssignment_2



C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects

Enter a number to calculate its factorial:5

The factorial of 5 is 120.

Process finished with exit code 0

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Operators.py



ConditionalLoopingAssignment_2.py



```
115 Reverse a number using while loop
116 """
117 d💡 reverse_number(n): 1 usage
118     reversed_num = 0
119     while n > 0:
120         digit = n % 10
121         reversed_num = reversed_num * 10 + digit
122         n //= 10
123     return reversed_num
124
125 number = int(input("Enter a number to reverse:"))
126 reversed_number = reverse_number(number)
127 print(f"The reversed number is: {reversed_number}")
128
129
130
```



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115 Reverse a number using while loop

116 """

117 def reverse_number(n): 1 usage

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Run ConditionalLoopingAssignment_2 ×

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C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\pyt

Enter a number to reverse:87965

The reversed number is: 56978

Process finished with exit code 0

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Operators.py



ConditionalLoopingAssignment_2.py



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131 Exercise 7

132 Finding the multiples of a number using loop



133 def find_multiples(number, count): 1 usage

134 multiples = []

135 for i in range(1, count+1):

136 multiples.append(number * i)

137 return multiples

138 number = int(input("Enter a number to find its multiples:"))

139 count = int(input("How many multiples do you want to find?:"))

140 multiples = find_multiples(number, count)

141 print(f"The first{count} multiples of {number} are:{multiples}")

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ConditionalLoopingAssignment_2.py

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multiples = find_multiples(number,count)

print(f"The first{count} multiples of {number} are:{multiples}")

3

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ConditionalLoopingAssignment_2

C:\Users\sgkur\PycharmProjects\python_d36_ENTRI\.venv\Scripts\python.exe C:\Users\sgkur\PycharmProjects\python


Enter a number to find its multiples:35


How many multiples do you want to find?:6

The first6 multiples of 35 are:[35, 70, 105, 140, 175, 210]

Process finished with exit code 0

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```
print("Done")
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```
break
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else:
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Run



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:done

Done

Process finished with exit code 0

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print "Buzz". For numbers which are multiples of both three and five prin

"""

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i in range(1,11):

if i % 3 and i % 5 == 0:

print("FizzBuzz")

elif i % 3 == 0:

print("Fizz")

elif i % 5 == 0:

print("Buzz")

else:

print(i)


"""


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```
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2
Fizz
4
FizzBuzz
Fizz
7
8
Fizz
FizzBuzz

Process finished with exit code 0
```

Operators.py

ConditionalLoopingAssignment_2.py

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184 5 4 3 2 1

185 4 3 2 1

186 3 2 1

187 2 1

188 1

189 """

190 for i in range(5,0,-1):

191 for j in range(i,0,-1):

192 print(j,end = '')

193 print()

py Operators.py ConditionalLoopingAssignment_2.py

192 print(j,end='')
193 print()

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ConditionalLoopingAssignment_2

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Process finished with exit code 0